

The logo of the National Fenestration Rating Council (NFRC) is centered in the background. It features a circular emblem divided into four quadrants: top-left (orange) with a sunburst, top-right (light blue) with a crown, bottom-left (orange) with a gear, and bottom-right (light blue) with a gear. The letters 'NFRC' are faintly visible in the center of the emblem.

NFRC CALCULATION ENTITY APPROVAL PROGRAM (CEAP) WORKSHOP

December 13, 2011

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SCOPE OF WORKSHOP

Workshop is held so ACE's are in compliance with the NFRC 708 4.3.2.2 A

- Changes to the NFRC CMA Website
- NFRC 704-2012 E0A1 – New Fees
- Upcoming plans for CMAST

NFRC CMA WEBSITE

- CMA Support & Information Page

<http://www.nfrc.org/CMASTSupportandInformation.aspx>

- CMAST FAQ
- How to submit an issue
- How to find a label certificate (general user)

CMAST SUPPORT & INFORMATION PAGE

- CMA Informational Pack
 - FAQ
 - User Manuals
 - CMAS
T Client v1.2 Update Instructions - CMAS
T Tutorials - CMAS
T Verification Study - Product Directory Codes
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FAQ

Component Modeling Approach (CMA) FAQ Page

Frequently Asked Questions

[<Back to CMA Information Page>](#)

Categories

- 1) General
- 2) ASL
- 3) ACE
- 4) SA

General

1. Is there a certain size for framing components to be approved for the CMAST libraries?
 - Framing Product Lines (FPL) shall be validated by a whole product. The whole product to be tested is based on what the frame components are for (ie. operator type – glazed wall system, double hung, casement, fixed, etc.). The whole product sizes that shall be followed are in NFRC 100, Table 4-3.
2. CMAST shuts down when a new product is created.
 - This can be caused from a dual monitor setup. Dual monitor has been reported to cause random errors as well. Shut down and unplug the second monitor, then open CMAST on the main monitor (#1) and try again.
3. If the ACE, SA, IA, and ASL can't see the status of components at all times, how can each entity verify at what point of submission components are?
 - This is "by design" - only "special" users (NFRC and IA) can see status column, and components other than "Approved" (namely, Review). Manufacturers and other users can only see Approved components, without Status column.
4. CMAST shuts down randomly or does not perform correctly.
 - This is a common error with those computers using Windows 7. CMAST was designed to run on Windows XP and works best on that platform.

How to submit an issue

CMAST Support and Information

CMAST Support and Information

If you are experiencing issues that might be the result of programming bugs, synchronization issues, or if you have a feature request for the improvement of CMAST, please review the information below. If you do not see information that will help you to resolve your issue, please fill out a [request](#) for assistance and submit it via e-mail at CMASupport@nfrfc.org and NFRC staff will assist you.

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HOW TO FIND A LABEL CERTIFICATE (GENERAL USER)



National Fenestration Rating Council®

Home Owners
Make an educated choice
NFRC has the answers

Building Officials
NFRC, Building Codes
You
Everyday Tools

Design Professionals
Specify smart
Continuing Ed. Options

 **Verify NFRC Residential and Commercial Ratings** 

NFRC 704-2012 E0A1

- New fees for the CMA program
 - CMA PCP Annual Participation Fee (components)
 - CMA PCP Annual Per Component Fee
 - Label Certificates now include Member/Nom-Member fees
 - CEAP (ACE Program) Fees
 - Software Usage Fees now include > or < 25 users discount

<http://www.nfrc.org/documents/NFRC704-2012E0A1.pdf>

FUTURE PLANS FOR CMAST

- CMAST Advisory TG
- Window/Therm 6 possible update
- Calculation Speed
- Short Term
- Long Term

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CMAST ADVISORY TG

Proposed Top Ten

1. Label Certificate Upgrade (remove optional information, provide square footage on label certificate/bid report, provide the ability to see the label certificate or bid report prior to submittal, incorporate a way to specify total area without reference of number of products)
 2. If you select a CMFR "Frame Assembly" in the "Product" screen then try and select a "Center Of Glazing" item the system just ignores your request and no glass is selected
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CMAST ADVISORY TG

Proposed Top Ten, continued

3. Improve GUI and user control over multiple calculations (include a Calculate all, add auto fill/auto selection of certain fields)
4. When building several windows in one session, calculations take a very long time to process. Speed up the calculation time.

CMAST ADVISORY TG

Proposed Top Ten, continued

5. Allow glass ID to be typed into box instead of only having the pull down
6. Allow bid reports to be generated when a project is locked for label certificate review or certified products

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CMAST ADVISORY TG

Proposed Top Ten, continued

7. Allow area weighted U-factor for each elevation
8. Incorporate the option for double clicking on the frame component in the frame assembly configuration and picking from a list.

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Proposed Top Ten, continued

9. Provide the means to set visibility/access rights to all parts of a project
10. Compatibility with Windows 7

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WINDOW / THERM 6 UPDATE

- Integration of Window 6 & Therm 6, in response to the LBNL upgrade, is ongoing. NFRC is working with LBNL on the appropriate upgrades. NFRC will need to test before final integration and release.

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CALCULATION SPEED

- The speed issues related to both calculation speed and synchronization, have been at the heart of the effort to improve CMAST with the goal of bringing delivery of the system to a more robust performance.
- The architect and development team have been working to document inefficiencies in the original design that have an impact on the application's speed and overall performance. Appropriate portions of the code are in the process of being rewritten/updated, and NFRC intends to test the new model in late December.

SHORT TERM PLAN

Continue the short term plan approved by Board

- Reduce one-by-one synchronization and stabilize synchronization
- Stabilize local client databases
- Improve calculation speed
- Modification web application as necessary
- Modification notification application
- Window/Therm 6 possible update

LONG TERM PLAN DEVELOPED

- Move to a “Cloud” environment to remove synchronization
- Eliminate the need to have a local client work on multiple platforms
- Improve the organization of data – XML bloat; GUIDS; and other ineffective and redundant embedded code in the application
- Modification of the application for Admin.
- Remove hardcoded accounting practices from application
- Use current Microsoft based software tools in order to remove the unsupported third-party tools and applications.



THANKS FOR YOUR TIME

Any Questions

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